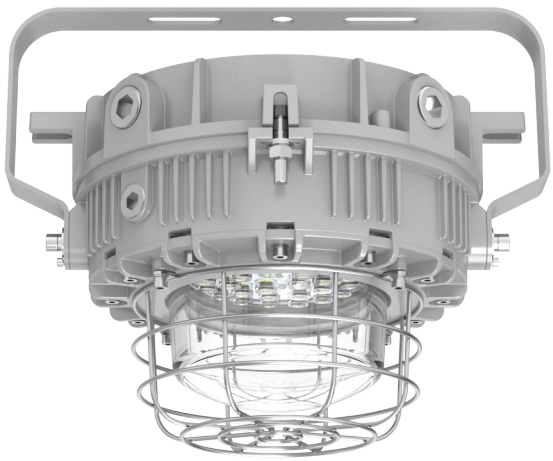
Pan American
Professional Lighting Manufacturer



HAZADOUS LOCATIONS LED LUMINAIRE

Q1A SERIES



Building 6, Zhongtang Tian'an Digital City, No. 88 Jinyuan Road,
Zhongtang Town, Dongguan, Guangdong. Zip code 523220

UL CERTIFIED · DNV · 3G Vibration · NEMA Type 4X · IP 66 · IK10 · 5 YEARS WARRANTY · 130 lm/W

Pan American
Professional Lighting Manufacturer



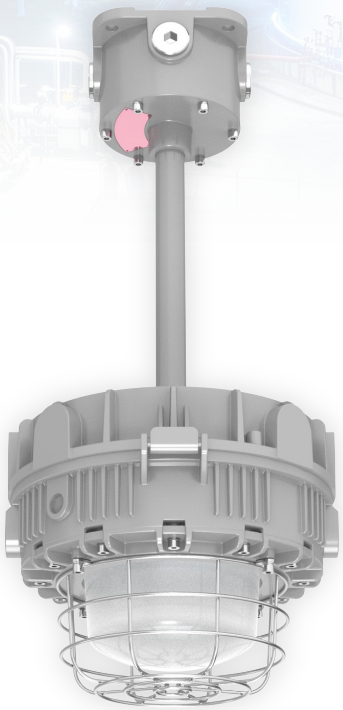
Q1A

PRODUCT INTRODUCTION >>>

The Q1A Series LED luminaire is the ideal choice for hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected. Featuring various shapes of driver box cover, this series is designed to meet different requirements of installations.

COMPLIANCE >>>

- UL 844 Hazardous Locations Class
  Class I Division 2, Groups A, B, C and D
  Class II Division 1, Groups E, F and G
  Class II Division 2, Groups F and G
  Class III
- UL 1598
- UL 1598A
- DNV
- ABS
- Vibration 3G
- NEMA Type 4X
- IP66
- IK08 (without wire guard)
- IK10 (with wire guard)



PRODUCT FEATURES >>>

- ☑ Mounting brackets and all exposed hardware accessories are with stainless steel
- ☑ The body is made of powder-coated die-cast aluminum, providing excellent corrosion resistance
- ☑ The driver cover is compatible with branded ex-proof lighting fixtures and can also be used for retrofit applications
- ☑ Different installation accessories optional
- ☑ Spherical glass/PC lens, Convex glass, Drop glass/PC lens with wire guard optional

APPLICATION >>>

- Heavy Industrials Storage Facility
- Chemical Processing Facility
- Petrochemical Processing Facility
- Wastewater Treatment Plants
- Offshore Environments
- Food and Alcohol industry
- Paper Mills
- Power Plants

Web: www.panamericanelectronics.com E-mail: sales@panamericanelectronics.com
Add:Building 6, Zhongtang Tian'an Digital City, No. 88 Jinyuan Road, Zhongtang Town, Dongguan, Guangdong. Zip code 523220

◎ TECHNICAL PARAMETER >>>

① -Electrical

Model	Ex-xxxW Q1A
Rated Power	20/30/35/40/45/50/60W
Input Voltage	120-277VAC / 120-347VAC / 200-480VAC or 277-480VAC
Input Frequency	50/60Hz
Power Factor @120V	> 0.95
Optional Emergency Function	Min. 90 mins (Contact sales for EM options)
Service Life	Up to 50,000 hours

② -Optical

Model	Ex-xxxW Q1A
Lumen Output	2600-7800lm
Lumens Per Watt	130ml/W
CCT	2000K/3000K/4000K/5000K/5700K/6000K/6500K/7500K
CRI	> 70
Beam Angle	40°/60°/90°/120°/T2/T3/T5
Dimming	1-10V/0-10V dimming optional

③ -Environmental

Model	LED Driver	Ambient Temperate Range	T-Code
Ex-20WQ1A	SS-75EP-M54BH	-40°C to +55°C	T4
Ex-40WQ1A	SS-50VA-56BHL	-40°C to +55°C	T4A

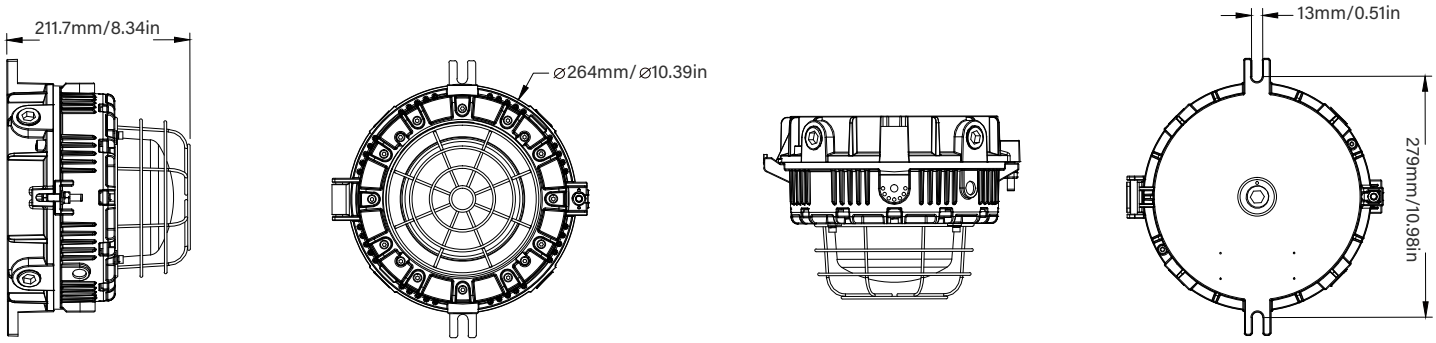
NOTE: Refer the UL certificate for exact temperature and T-code information.

④ -Mechanical

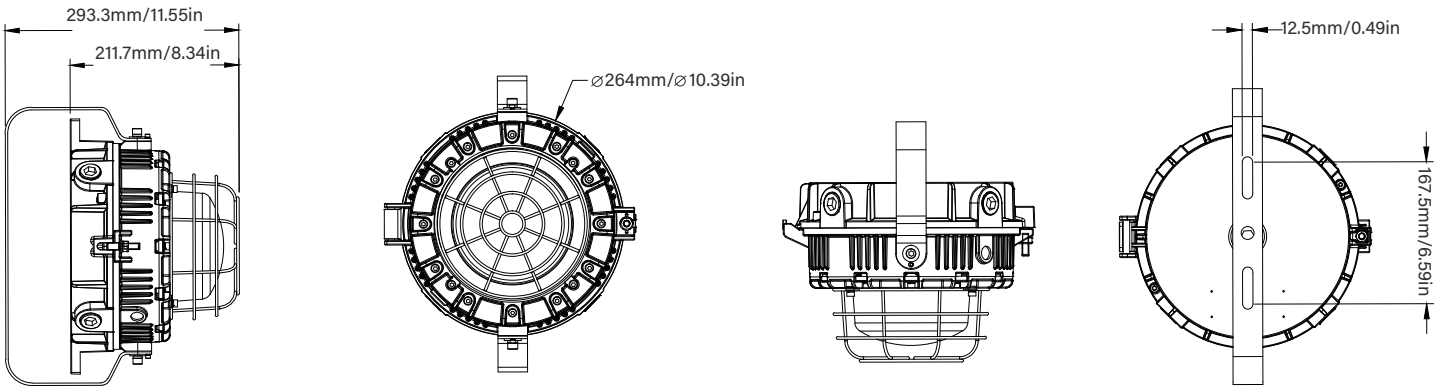
Model	Ex-xxxW Q1A
Housing Material	Copper-free aluminum
Diffuser Type	Clear Convex Glass
Hardware	Stainless steel 304(standard), SS 316 optional
Gasket Material	Silicone rubber
Protection Rating	Ingress protection: IP66 Impact protection: IK10 (with wire guard)
Mounting Options	Ceiling Mount (Included); U bracket Mount (Included); Pendant Mount (Purchase separately)
Cable Entries	3/4" NPT (standard); 1/2" NPT; M20 or M25 (optional)
Warranty	5-year limited warranty for fixture

◎ PRODUCT DIMENSIONS [UNIT: MM/INCH] >>>

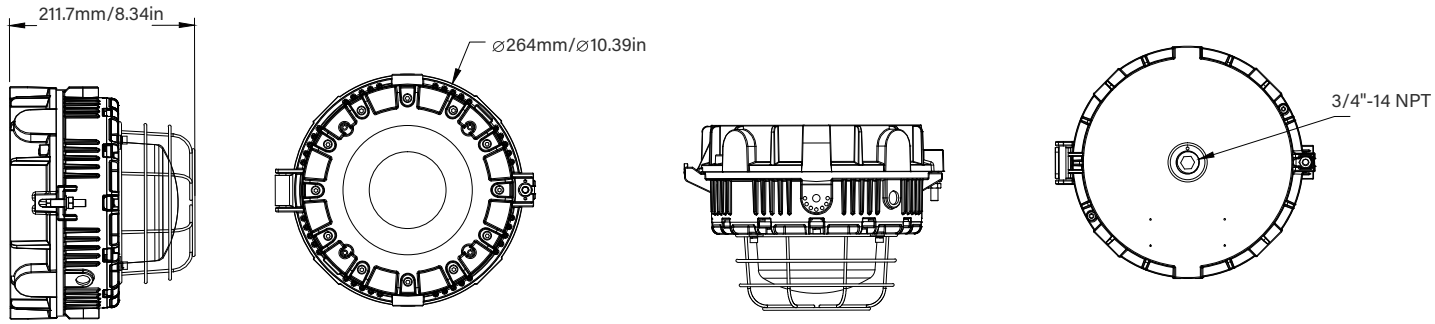
» Q1A with Lamp Enclosure Heatsink P, driver cover A1, wire guard, and Drop glass



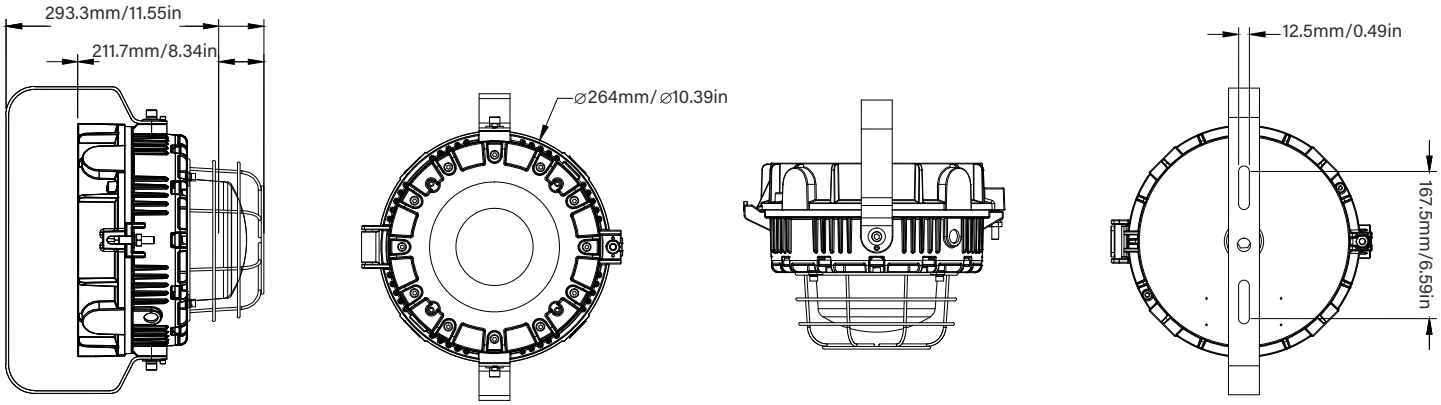
» Q1A with Lamp Enclosure Heatsink P, driver cover A1 U bracket, wire guard, and Drop glass



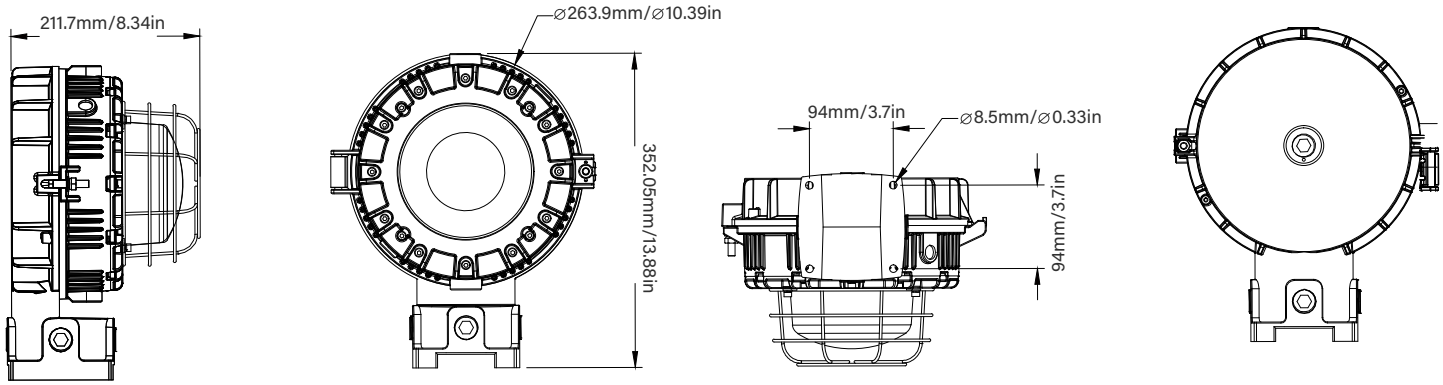
» Q1A with Lamp Enclosure Heatsink P, driver cover B1, wire guard, and Drop glass



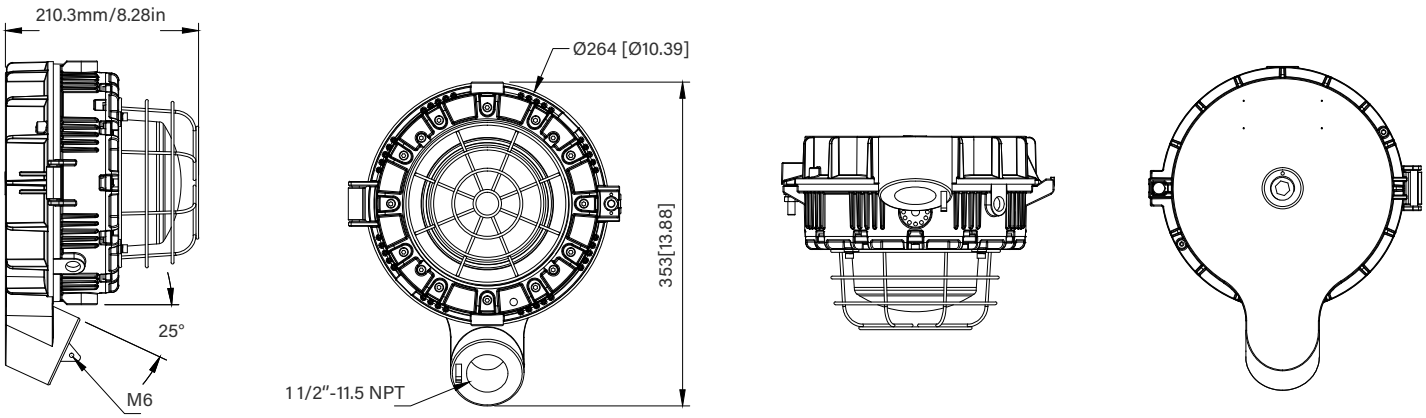
» Q1A with Lamp Enclosure Heatsink P, driver cover B1 U bracket, wire guard, and Drop glass



» Q1A with Lamp Enclosure Heatsink P, driver cover C1, wire guard, and Drop glass



» Q1A with Lamp Enclosure Heatsink P, driver cover D1, wire guard, and Drop glass

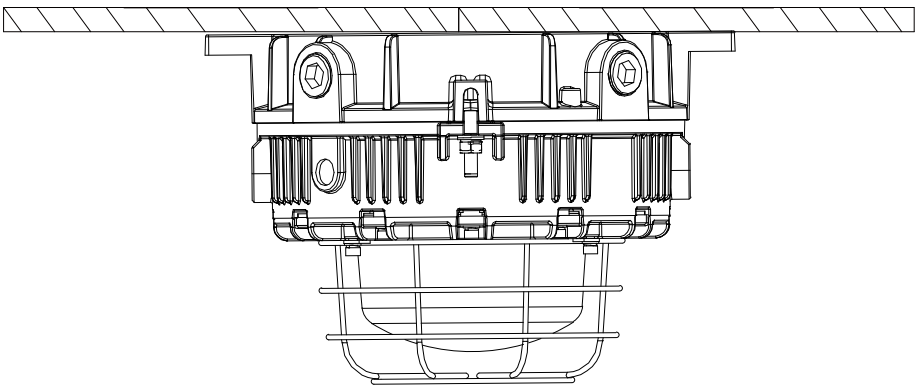


◎ PACKING INFORMATION >>>

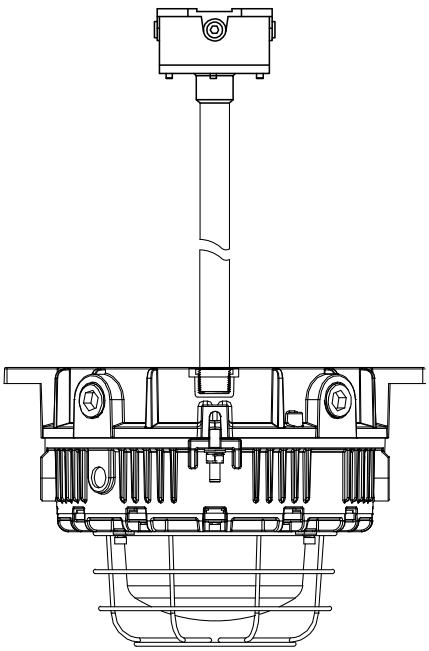
Model	Pack Dimensions	Net Weight	Gross Weight	Quantity/Carton
Ex-xxxW Q1A	450x450x280mm/ 17.72x17.72x11.02inch	6.23kg/13.74lb	7.95kg/17.53lb	1 pcs

◎ MOUNTING METHODS AND ACCESSORIES >>>

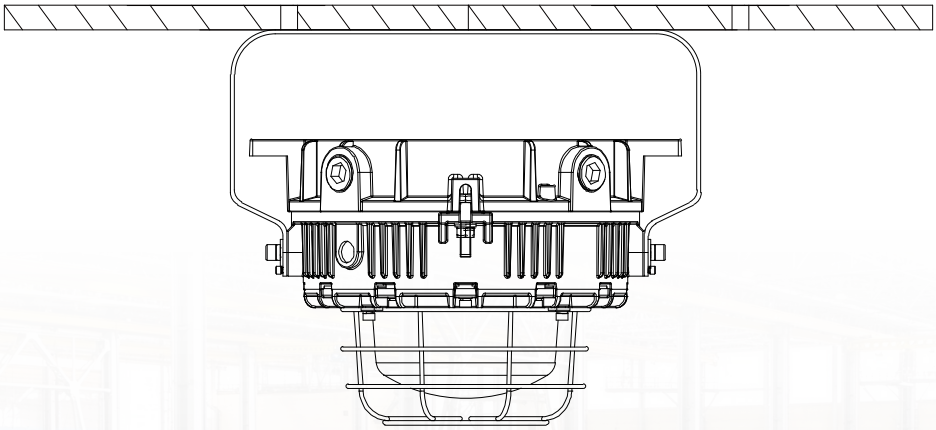
» Option 1 - Ceiling Mounting (Included)



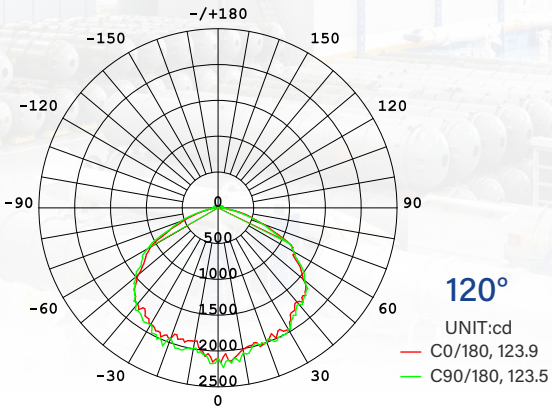
» Option 2 - Pendant Mounting (Purchase separately)



» Option 3 - U-bracket Mounting (Included)



◎ PHOTOMETRIC >>>



AVERAGE BEAM ANGLE(50%):123.7 DEG

◎ ACCESSORIES >>>


EX-Bended Pipe


EX-Straight Pipe


EX-HD51-KYD 90°


EX-HD51-KYD 25°


EX-Slip Fitter Kit


EX-90°
Wall Mount Kit


EX-25°
Wall Mount Kit


EX-90° Stanchion
Mount Kit


EX-25° Stanchion
Mount Kit


EX-HD51-KB1


EX-Hook

◎ MOUNTING METHODS AND ACCESSORIES >>>

EX - XXW Q1A D 75 D T5 CCG A O 1 H P40 T -E

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

1 Basic model series
Ex = Explosion-proof light

2 Input wattage
Q1A : 20/30/35/40/45/50/60W

3 luminaire series
Q1A

4 Dimming
D = dimmable / Blank = not dimmable

5 CCT
20 = 2000K / 30=3000K
40 = 4000K / 50 = 5000K / 57 = 5700K
60 = 6000K / 65 = 6500K / 75 = 7500K

6 Degree
D

7 Beam angle
40 = 40 degrees / 60 = 60 degrees
90 = 90 degrees / 120 = 120 degrees
T2 = 60 degrees / T3 = 90 degrees
T5 = 120 degrees

8 Diffuser type
CCG = clear convex glass

9 Driver enclosure cover
Blank = driver enclosure cover A1

10 Lamp enclosure heatsink
Blank = Lamp enclosure heatsink P

11 LEDs type
1 = 5050
2 = 2835 single color LED board
Blank = 2835 tunable LED board

12 Input Voltage
Blank = 120-277V / M = 120-347V
H = 200-480V or 277-480V

13 LED driver
P40 = EX-40W-48B
P60 = EX-60W-48BH
X25 = XLG-25-AB
X50 = XLG-50-AB
Refer the UL certificate for exact information

14 Dual tunable or not
Blank = without tunable
T = with tunable

15 Backup power source
Blank = no battery power
-E = with battery power